

CLAIMS

1. A fixed transmitting station of a wireless telecommunication system comprising:
  - antenna means
  - 5 - measurement means for electromagnetic field measurements of an electromagnetic environment of the antenna means,
  - means for transmitting of data being indicative of a measurement result to a central control unit.
2. The fixed transmitting station of claim 1, the measurement means being mounted on the antenna means. The antenna means being coupled to at least one cable for transmitting of radio frequency up-link and down-link signals and the at least one cable being connected to the measurement means in order to couple the measurement means to a power supply and/or for transmitting of the data being indicative of a measurement result.
- 15 3. The fixed transmitting station of claim 1, further comprising data processing means for monitoring of the data.
4. The fixed transmitting station of claim 3, the data processing means being adapted for the assessment of electromagnetic field levels and/or a drift of electromagnetic parameters being related to the electromagnetic environment.
- 20 5. The fixed transmitting station of claim 3, the data processing means being adapted to generate a report and/or alert message for the central control unit.

6. The fixed transmitting station of claim 1, further comprising means for controlling of at least one network parameter of the wireless telecommunication system based on the data.
7. The fixed transmitting station of claims 1, the central control unit being an operations and maintenance centre.
8. A method of monitoring a fixed transmitting station of a wireless telecommunication system, the method comprising the steps of:
  - measuring of an electromagnetic field of an electromagnetic environment of an antenna of the fixed transmitting station,
  - transmitting of data being indicative of a measurement result of the measurement to a central control unit.
9. The method of claim 8 further comprising controlling of at least one network parameter of the wireless telecommunication system based on the data.
10. A computer program product, such as a digital storage medium, comprising program means for performing the steps of:
  - inputting of data being indicative of a measurement result of an electromagnetic field measurement of an environment of an antenna of a fixed transmitting station of a wireless telecommunication system,
  - processing of the data for the purpose of data monitoring and/or controlling of at least one network parameter of the wireless telecommunication system.